

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10620

LOCATION WCR 49+32

FOREMAN Mike Rosalez
L.R. Mark

TREATMENT REPORT

DATE 11-14-11	WELL NAME Butterball D-18 75 HW	SECTION 19	TWP 3	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR H+P 322				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 12:30		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 671	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 621.51	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 666.27		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNULUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, Sattymeting, PSI Test, Circulate 50 BBls H2O KCL mix 2nd 10 Dye
mix + Pump 362 SKs Cement (30% EXCESS) yield 1.27 qt / 15-21 BS or until Compensman
Stoppes w/ Release Plug Displace 48 BBls H2O Bump Plug 150 PSI over lift wait 5 min Release
PSI Washup Rig Down H2O TEST

Arrived with 50 SKs Cement 10 qts KCL 1602 Dye Slurry 81.8

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Sattymeting 3:30 AM Circulate 4:23 AM Cement 4:35 AM
DROP Plug 5:03 AM Displace 5:03 AM

10 BBls at 5-5 BBls/m 5:07 AM	300 PSI	Used 15 % EXCESS
20 BBls at 5-5 BBls/m 5:09 AM	310 PSI	Used 371 SKs Cement
30 BBls at 5-5 BBls/m 5:11 AM	320 PSI	72.6 Slurry
40 BBls at 3-5 BBls/m 5:13 AM	310 PSI	
48 BBls at 1-0 BBls/m 5:16 AM	300 PSI	
Bump Plug 1-0 BBls/m 5:16 AM	530 PSI	
Flow Collar (held)		BBls to PT

Left with SKs Cement 5 qts KCL + Dye

Roger Foster

WSS

11-13-11

AUTHORIZATION TO PROCEED

TITLE

DATE